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Attorney Docket No. 13139-0104CIP (13721.105006)

## PATENTS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kary B. Mullis

Application No. 10/754,456

Filing Date: January 9, 2004

Title: Chemically Programmable Immunity

Art Unit: 1644

Examiner: David A. Saunders

Confirmation No. 7994

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AMENDMENT AND RESPONSE TO OFFICE ACTION

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant responds to the Final Office Action dated June 22, 2009. Please enter the following amendment and consider the following remarks. Enclosed with this Response is a Terminal Disclaimer along with the required fee under 37 CFR 1.20(d).

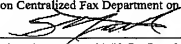
**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks** begin on page 8 of this paper.

**Conclusion** begins on page 12 of this paper.

I hereby certify that this correspondence is being sent to the United States Patent and Trademark Office via facsimile transmission to 571-273-8300, attention Centralized Fax Department on July 8, 2009.

  
Stephen C. MacDonald, Ph.D., Reg. No. 60,401